TITLE: Preparation of pyrazoles and analogs as PPAR modulators for treatment of metabolic disorders, diabetes mellitus, atherosclerosis, and cardiovascular disorders

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SOURCE: PCT Int. Appl., 214 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004063166	A1	20040729	WO 2003-US39119	20031231
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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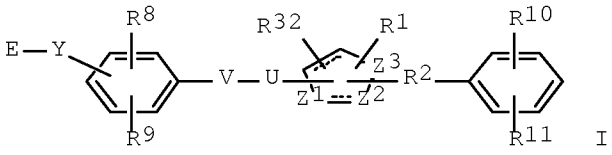
AU 2003296404	A1	20040810	AU 2003-296404	20031231
EP 1585733	A1	20051019	EP 2003-815195	20031231
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, BG, CZ, EE, HU, SK				
US 20060241157	A1	20061026	US 2005-540341	20050621

PRIORITY APPLN. INFO.:

US 2003-438563P	P	20030106
WO 2003-US39119	W	20031231

OTHER SOURCE(S): MARPAT 141:157111

GI



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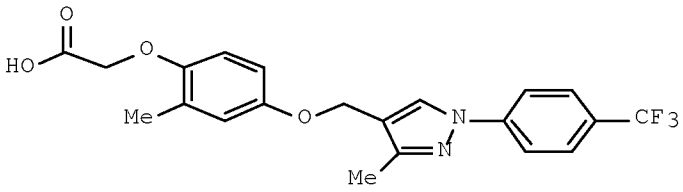

II

AB Title pyrazoles, imidazoles, and (is)oxazoles I [wherein R1 = H, (un)substituted alkyl, alkenyl, (hetero)aryl(alkyl), arylheteroalkyl, cycloalkylaryl(alkyl); R2 = absent, (hetero)alkyl; R8 = H, alkyl, alkylenyl, halo; R9 = H, (un)substituted alkyl, alkylenyl, halo, aryl(alkyl), heteroaryl, allyl, alkoxy, alkylthio, etc.; R10, R11 = independently H, OH, CN, NO2, halo, oxo, (un)substituted (halo)alkyl, alkoxy, cycloalkyl, (hetero)aryl(alkyl), cycloalkylaryl(alkyl), aryloxy, acyl, carboxy, amino, sulfamoyl, etc.; R32 = bond, H, halo, (halo)alkyl, alkyloxo; E = (un)substituted carboxy(methyl), tetrazolyl(methyl), nitriloalkyl, carboxamido(methyl), sulfonamido(methyl); U = (un)substituted aliphatic linker wherein one C of the linker is optionally replaced with O, NH, or S; X = bond, O, S, SO2, NH; Y = bond, CH2, NH; Z1, Z2 = independently N, O, C, whit the proviso that at least one of Z1 and Z2 = N; Z3 = N, O, C; or stereoisomers, pharmaceutically acceptable salts, solvates, and hydrates thereof] were prepared as peroxisome proliferator activated receptor (PPAR) modulators (no data). For example, chlorination of [3-methyl-1-(4-trifluoromethylphenyl)-1H-pyrazol-4-yl]methanol with MeSO2Cl and TEA in CH2Cl2, followed by coupling with (4-hydroxy-2- methylphenoxy)acetic acid Me ester using Cs2CO3 in acetonitrile and saponification with NaOH in MeOH provided II. I and their pharmaceutical compns. are expected to be effective in treating and preventing metabolic disorders, diabetes mellitus, atherosclerosis, and cardiovascular disorders (no data).

IT 728913-16-4P, 2-Methyl-2-[4-[2-[3-methyl-1-(4-trifluoromethylphenyl)-1H-pyrazol-4-yl]propyl]phenoxy]propionic acid 728914-84-9P, [4-[2-[3-Methyl-1-(4-trifluoromethylphenyl)-1H-pyrazol-4-yl]ethyl]phenoxy]acetic acid 728914-85-0P, 2-Methyl-2-[4-[2-[3-methyl-1-(4-trifluoromethylphenyl)-1H-pyrazol-4-yl]ethyl]phenoxy]propionic acid 728914-86-1P, [4-[2-[3-Methyl-1-(4-trifluoromethylphenyl)-1H-pyrazol-4-yl]propyl]phenoxy]acetic acid
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(PPAR modulator; preparation of pyrazoles and analogs as PPAR modulators for treatment of metabolic disorders, diabetes, atherosclerosis, and cardiovascular disorders)

RN 728913-16-4 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[2-[3-methyl-1-[4-(trifluoromethyl)phenyl]-1H-pyrazol-4-yl]propyl]phenoxy]- (CA INDEX NAME)

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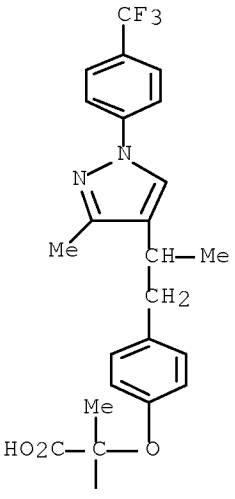
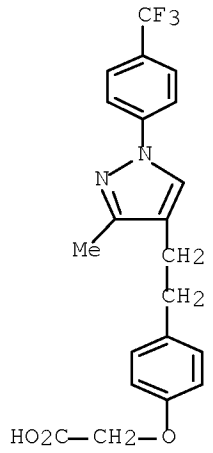


Me

RN 728914-84-9 CAPLUS
CN Acetic acid, 2-[4-[2-[3-methyl-1-[4-(trifluoromethyl)phenyl]-1H-pyrazol-4-yl]ethyl]phenoxy]- (CA INDEX NAME)



RN 728914-85-0 CAPLUS
CN Propanoic acid, 2-methyl-2-[4-[2-[3-methyl-1-[4-(trifluoromethyl)phenyl]-1H-pyrazol-4-yl]ethyl]phenoxy]- (CA INDEX NAME)

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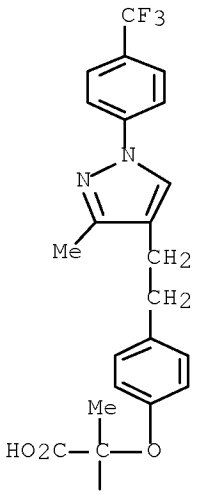

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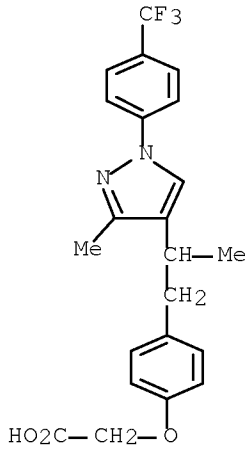
Me

RN 728914-86-1 CAPLUS
CN Acetic acid, 2-[4-[2-[3-methyl-1-[4-(trifluoromethyl)phenyl]-1H-pyrazol-4-yl]propyl]phenoxy]- (CA INDEX NAME)



IT 728914-90-7P, [4-[2-[3-Methyl-1-(4-trifluoromethylphenyl)-1H-pyrazol-4-yl]propyl]phenoxy]acetic acid methyl ester
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate; preparation of pyrazoles and analogs as PPAR modulators for treatment of metabolic disorders, diabetes, atherosclerosis, and cardiovascular disorders)

RN 728914-90-7 CAPLUS

CN Acetic acid, 2-[4-[2-[3-methyl-1-[4-(trifluoromethyl)phenyl]-1H-pyrazol-4-yl]propyl]phenoxy]-, methyl ester (CA INDEX NAME)

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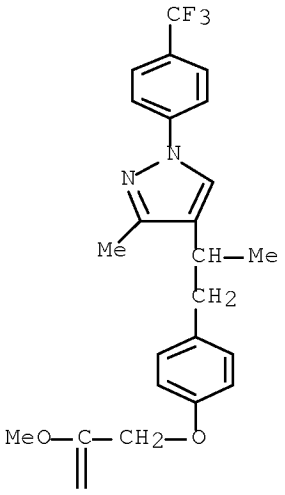

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